

MuL XT

MuL XT* emulsifier can be used as the primary emulsification package in all non-aqueous fluid (NAF) systems.

MuL XT emulsifier provides excellent emulsion stability, preferential wetting of solids by the continuous phase, filtration control and overall system stability. MuL XT emulsifier is effective over a wide range of temperatures from low temperature to extreme temperatures.

Typical Physical Properties

Physical appearance	Yellow to brown liquid
Specific gravity.....	0.93 – 0.96
Flash point	>284 °F (140 °C)

Applications

MuL XT emulsifier is used as the primary emulsifier in all NAF systems to provide low viscosity stable emulsions and excellent oil wetting at extreme temperatures and in NAF with high water content. MuL XT emulsifier contributes to High Temperature High Pressure (HTHP) filtration control and temperature stability of the system.

Initial system formulations typically require 8 to 12 lb/bbl (22.8 to 34.2 kg/m³) depending on the desired properties, oil/water ratio and other components in the system. Daily treatments are usually in the range of 0.1 to 1 lb/bbl (0.3 to 2.9 kg/m³).

For extreme HTHP applications – above 500° F (260° C) and 16 ppg (1.9 S.G.) – MuL XT emulsifier concentrations of up to 25 lb/bbl (71.5 kg/m³) may be required and 1 to 3 lb/bbl (2.8 to 8.5 kg/m³) of SUREWET* additive may be required as supplementary wetting agent.

Advantages

- Temperature stable to > 572° F (300° C)
- Improves emulsion stability
- Controls gel strengths
- Helps maintain HTHP filtrate in a water-free state
- Stabilizes emulsions at oil/water ratios down to 50/50
- Improves thermal stability and contamination resistance

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing personal protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

MuL XT additive is packaged in a 55 gal (208 L) drum and in 550 gal (2,131 L) totes.

Store in a dry well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.



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